

Identifying Codes

To Identify Programmed Codes

You can find out which code you used to program your TV or VCR. You can determine the code by counting the number of times the LED blinks during the following procedure.

- Point the remote control away from the EXPLORER 2000 DHCT, the TV, and the VCR.
- Do one of the following:
 - To identify the TV code, press and hold the TV key and the SELECT key at the same time until the LED on the remote control blinks twice, or
 - To identify the VCR code, press and hold the VCR key and the SELECT key at the same time until the LED on the remote control blinks twice.
- Using the remote control keypad, enter **990**. The LED on the remote blinks twice.
- Press **1** on the keypad; then, count the LED blinks. The number of blinks indicates the first number in the code. For example, 4 blinks indicates the first number in the code is 4.
- Press **2** on the keypad; then, count the LED blinks. The number of blinks indicates the second number in the code.
- Press **3** on the keypad; then, count the LED blinks. The number of blinks indicates the third number in the code.
- Write down the code in the table provided for future reference.

Controlling Volume

To Program for Volume Control

You can program the remote control to control the volume and mute functions through the EXPLORER 2000 DHCT, the TV, and the VCR. The default is through the TV.

- Point the remote control away from the EXPLORER 2000 DHCT, the TV, and the VCR.
- Press and hold the CBL key and the SELECT key at the same time, until the LED on the remote control blinks twice.
- Using the remote control keypad, enter **993**. The LED on the remote blinks twice.
- Press the TV key or the CBL key, depending on which device you want to control the volume. The LED on the remote control blinks twice to confirm a valid selection.
- Point the remote toward the device on which you chose to control the volume, and adjust the volume to confirm operation.

Record of Codes

Record your setup codes in the following table.

TV			
VCR			
CBL			

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by Scientific-Atlanta could void the user's authority to operate this equipment.



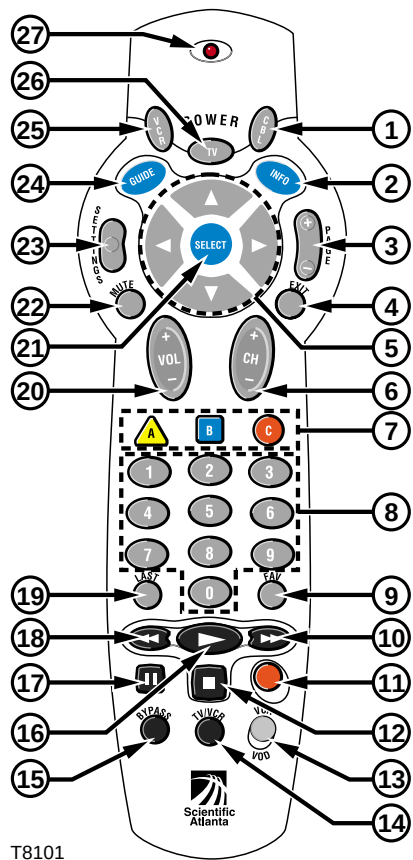
United States: Scientific-Atlanta, Inc.
4261 Communications Drive
P.O. Box 6850, Norcross, GA 30091-6850
Tel: 770.903.5000 TWX: 810.799.4912 Telex: 0542898
Europe: Scientific-Atlanta Europe, Ltd. Home Park
Estate, Kings Langley, Herts WD4 8LZ, England
Tel: +44.1.923.266133 Fax: +44.1.923.269018
Asia-Pacific: Scientific-Atlanta (HK), Ltd. Suite 56-57,
5/F New Henry House, 10 Ice House Street, Central,
Hong Kong Tel: 852.2522.5059 Fax: 852.2522.5624
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Model ER1
Remote Control
User's Guide



ER1 Remote Control Quick Reference



T8101

Power

- 1** DHCT on or off
- 25** VCR on or off
- 26** TV on or off
- 27** LED

Sound

- 22** Mutes sound
- 20** Adjusts volume

Device Control

- 13** Switches control between your VCR and Video On Demand (VOD) program
- 14** Controls your VCR's TV/VCR function.
- 15** Controls the BYPASS option (See **Optional Bypass Feature**)

Channels

- 2** Displays channel information
- 6** Selects channels, up or down
- 8** Enter channel numbers (also used to enter your personal identification number [PIN] for parental control)
- 9** Views favorite channels
- 19** Returns to last channel viewed

VCR/VOD

- 10** Fast forwards VCR/VOD
- 11** Records VCR program
- 12** Stops VCR/VOD
- 18** Rewinds VCR/VOD
- 16** Plays VCR/VOD
- 17** Pauses VCR/VOD

Screens

- 3** Pages Up/Pages Down
- 4** Hides interactive screen
- 7** Makes on-screen decisions
- 24** Displays interactive program guide
- 23** Displays DHCT settings
- 5** Moves through interactive screen choices
- 21** Chooses interactive screen item

Notes:

- Program the remote control before you use the DHCT. See **Programming the Remote Control** for programming procedures.
- Make sure you use only *alkaline* batteries in the remote control. See **Inserting the Batteries** for more information.

Inserting the Batteries

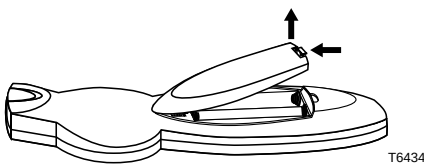
Procedure

Your remote control requires two AA alkaline batteries.



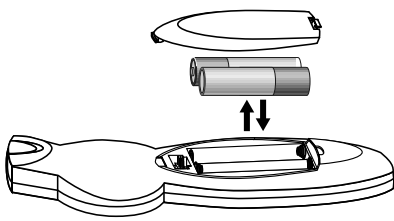
Make sure you correctly align the positive (+) and negative (-) terminals on the batteries to the corresponding terminals in the remote control.

- Press forward then lift up on the lever on the back cover of the remote control. The battery cover releases, and you can pull the cover up to remove it.



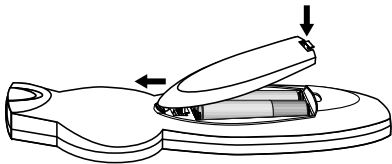
T6434

- Remove and safely dispose of the old batteries.



T6435

- Insert and firmly seat two new AA batteries (alkaline required) into the battery compartment.
- Slide the front of the battery cover back onto the remote control and snap the back of the cover into place.



T6436

Programming the Remote Control

Introduction

In addition to operating your digital home communications terminal (DHCT), you can program the ER1 Remote Control to operate your TV and VCR. To program the remote control, use the following procedure.

Using Device Keys

Remember to press the following appropriate device key to switch the remote control operation for the specific device:



Programming for TV Operation

The remote control for the DHCT controls the power, volume up and down, and mute functions.

Make sure the power to your TV is turned on before you program the remote control.

1. Locate your TV brand and TV setup code in the table below. If your TV brand is not listed, see **Searching the Code Library**.
2. Point the remote control away from the DHCT, TV, and VCR.
3. On your remote control, press and hold the TV key and the SELECT key at the same time, until the LED on the remote blinks twice.
4. Using the remote control keypad, enter your TV's 3-digit setup code. The LED on the remote control should blink twice. If not, try another setup code, if available.

5. Confirm by pointing the remote control toward the TV and test the **POWER**, **VOLUME**, and **MUTE** functions.
Note: If you programmed the remote control to adjust the volume on your DHCT rather than the volume on the TV, test only the **POWER** function. If these functions do not operate from the remote control, enter the next TV setup code from the list and repeat this procedure from step 1.

Programming for VCR Operation

The remote control for the DHCT controls the VCR power, tape play, record, fast forward, rewind, stop, and TV/VCR functions. You can program the DHCT remote control to play video tapes. If you want the DHCT to manage the recording of events with your VCR, you must use the VCR Commander™ module. (See the *VCR Commander™ User's Guide* for more information or ask your cable service provider.) Without this module, you must manually set up your VCR to record programs.

Make sure the power to your VCR is turned on before you program the remote control.

1. Move the VCR/VOD slide switch on the remote control to the VCR position.

2. Locate your VCR brand and VCR setup code in the table below. If your VCR brand is not listed, see **Searching the Code Library**.
3. Point the remote control away from the DHCT, the TV, and the VCR.
4. On your remote control, press and hold the VCR key and the SELECT key at the same time, until the LED on the remote blinks twice.
5. Using the remote control keypad, enter your VCR's 3-digit setup code. The LED on the remote control should blink twice. If not, try another setup code, if available.
6. Confirm by pointing the remote control toward the VCR and test the **POWER**, **PLAY**, and **STOP** functions. If these functions do not operate from the remote control, enter the next VCR setup code in the list and repeat this procedure from step 1.

Searching the Code Library

If none of the listed TV or VCR codes work, you can enter a code that searches the library of codes. The remote control automatically selects the proper code for your TV or VCR. Make sure the power to your TV or VCR is turned on before you program the remote control.

1. Point the remote control away from your TV or VCR, depending on which device you are programming.

2. Do one of the following:
 - To search for TV codes, press and hold the TV key and the SELECT key at the same time, until the LED on the remote control blinks twice.
 - To search for VCR codes, press and hold the VCR key and the SELECT key at the same time, until the LED on the remote control blinks twice.
Note: The LED on the remote control also blinks twice when it reaches the end of its search library.
3. Using the remote control keypad, enter **991**. The LED on the remote blinks twice.
4. Point the remote control toward your TV or VCR, and press the TV key or the VCR key depending on which device you are programming.
5. Did the TV or VCR turn off?
 - If **yes**, go step 6.
 - If **no**, repeat step 4.
6. Press the SELECT key to confirm a valid code. The remote control LED blinks twice.
7. Point the remote toward the device you programmed and press Power to confirm that the device turns on and off.

TV Setup Codes

Brand—Codes	Brand—Codes	Brand—Codes
Admiral—107	Harley Davidson—193	Proton—192
Adventura—060	Harvard—194	Pulsar—031
Aiko—106	Hitachi—070, 159	Quasar—179, 065, 264
Akai—044	Infinity—068	Radio Shack—179, 044, 061, 070, 168, 192, 194
Alaron—193	Inteq—031	RCA—061, 104, 149, 065, 107
Ambassador—191	Janeil—060	Realistic—179, 044, 070, 168, 192, 194
Anam—194	JBL—068	Runco—053
Anam National—069, 194	JCB—014	Sampo—044
AOC—033, 044, 199	JVC—067	Samsung—044, 070, 074, 192
Audiovox—106, 194, 465	KEC—194	Sansei—465
Baysonic—194	Kenwood—044	Sansui—477
Belcor—033	Kloss—060	Sanyo—168
Bell & Howell—030, 168	KTV—044, 194	Scotch—192
Bradford—194	LG—070	Scott—250, 192, 193, 194
Brocksonic—250, 477	Logik—030	Sears—061, 068, 070, 168, 170, 185, 192, 193
Candle—066, 044, 070	Luxman—070	Semivox—194
Carnivale—044	LXI—061, 068, 168, 170, 192	Semp—170
Carver—068	Magnavox—044, 068, 193	Sharp—179, 107
Celebrity—014	Majessti—030	Signatur—030
Cineral—106, 465	Marantz—044, 068	Sony—014
Citizen—060, 044, 070, 074, 106	Matsushita—264	Soundesign—192, 193, 194
Concerto—070	Megatron—159, 192	Squareview—185
Contec—194	Memorex—030, 070, 164, 168, 192, 264	SSS—194
Craig—194	MGA—044, 164, 192	Starlite—194
Crosley—068	Midland—031, 061, 065, 149	Supre-Macy—060
Crown—194	Minutz—035	Supreme—014
Curtis Mathes—180, 030, 044, 061, 065, 068, 070, 074, 107, 159, 168, 465	Mitsubishi—107, 164, 192	Sylvania—044, 068
CXC—194	Motorola—107	Symphonic—185
Daewoo—106, 465	MTC—044, 070, 074	Tandy—107
Denon—159	Multitech—194	Tatung—069
Dumont—031	NAD—180, 170, 192	Technics—065, 264
Electroband—014	NEC—044, 070	Technol Ace—193
Emerson—250, 168, 191, 192, 193, 194, 296, 477	Nikko—044, 106, 192	Techwood—065, 070
Envision—044	NTC—106	Teknika 030, 068, 070, 074, 106, 164, 193, 194
Fisher—168	Onwa—194	Telefunken—070
Fujitsu—193	Optimus—180, 168, 264	TMK—070, 191, 192
Funai—185, 193, 194	Optonica—179, 107	Toshiba—074, 168, 170
Futuretech—194	Orion—250, 193, 477	Vector Research—044
GE—035, 061, 065, 107, 149, 192, 296, 465	Panasonic—065, 264	Victor—067
Gilbrater—031, 044	Penney—035, 044, 061, 065, 070, 074, 149, 170, 192	Vidikron—068
GoldStar—044, 070, 192	Philco—044, 068, 159, 477	Vidtech—192
Gradiente—067, 070	Philips—068	Viking—060
Grunpy—193, 194	Pilot—044	Wards—030, 179, 035, 044, 068, 070, 192, 193
Hallmark—192	Pioneer—180	Yamaha—044
	Portland—106	Zenith—030, 031, 106
	Prism—065	
	Proscan—061	

VCR Setup Codes

Brand—Codes	Brand—Codes	Brand—Codes
Admiral—062	Kenwood—081, 052, 055	Quasar—049, 176
Adventura—014	KLH—086	RCA—062, 049, 056, 074, 119, 120, 254
Aiko—292	Kodak—049, 051	Radio Shack—014, 051
Aiwa—014, 051	LXI—051	Radix—051
Akai—055, 075, 120	Lloyd's—014, 222	Randex—051
American High—049	Logik—086	Realistic—060, 062, 014, 049, 051, 061, 118
Asha—254	Magnasonic—292	Runco—053
Audiovox—051	Magnavox—014, 049, 053, 095	Samsung—059, 254
Beaumark—254	Magnin—254	Sanky—062, 053
Bell & Howell—118	Marantz—049, 095	Sansui—081, 014, 055
Brocksonic—016, 135, 198, 225	Marta—051	Sanyo—060, 061, 118, 254
CCE—086, 292	Matsushita—049, 176	Scott—057, 059, 135, 198, 255, 226
Calix—051	MEI—049	Sears—060, 014, 049, 051, 056, 061, 068, 118, 119
Canon—049	Memorex—060, 062, 014, 049, 051, 053, 061, 118, 176, 254	Semp—059
Carver—095	MGA—057, 075, 254	Sharp—062
Cineral—292	MGN Technology—254	Shintom—086
Citizen—051, 292	Minotla—056, 119	Shogun—254
Colt—086	Mitsubishi—081, 062, 057, 075	Singer—086
Craig—051, 061, 086, 254	Motorola—062, 049	Sony—047, 014, 046, 049
Curtis Mathes—049, 055, 074, 176	MTC—014, 254	STS—056
Cybernex—254	Multitech—014, 086	Sylvania—014, 049, 057, 095
Daewoo—059, 292	NEC—81, 052, 055, 118	Symphonic—014
Denon—056	Nikko—051	TMK—222, 254
Dynatech—014	Noblex—254	Tatung—055
Electrohome—051	Olympus—049	Teac—014, 055
Electroponic—051	Optimus—062, 051, 118, 176	Technics—049, 176
Emerex—046	Orion—016, 198	Teknika—014, 049, 051,
Emerson—014, 016, 051, 057, 075, 135, 198, 222, 225, 226, 292	Panasonic—049, 176	Thomas—014
Fisher—061, 068, 118	Penney—049, 051, 052, 056, 068, 254	Toshiba—057, 059, 226
Fuji—047, 049	Pentax—056, 119	Totevision—051, 254
Funai—014	Philco—049	Unitech—254
GE—062, 049, 074, 254	Philips—049, 095	Vector—059
Garrard—014	Pilot—051	Vector Research—052
GoldStar—051, 052	Pioneer—081, 176	Video Concepts—059, 075
Gradiente—014	Profitronic—254	Videosonic—254
HI-Q—061	Proscan—086	Wards—062, 014, 049, 056, 061, 074, 086, 095, 226, 254
Harley Davidson—014	Protec—086	White Westinghouse—292
Harman/Kardon—052	Pulsar—053	XR-1000—014, 049, 086
Harwood—086	Quarter—060	Yamaha—052
Headquarter—060	Quartz—060	Zenith—047, 014, 053
Hitachi—014, 055, 056, 119		
JVC—081, 055		
Jensen—055		
KEC—051, 292		